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(71) Applicant *(for all designated States except US)*: RHODE ISLAND HOSPITAL [US/US]; 593 Eddy Street, Providence, RI 02903 (US).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: FARIS, Ronald, A. [US/US]; 214 Sumter Street, Providence, RI 02907 (US).

(74) Agent: BEATTIE, Ingrid, A.; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110-2804 (US).

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(54) Title: LIVER STEM CELL

(57) Abstract

The invention provides a primary liver stem cell and a cell doublet consisting of a hepatocyte and the stem cell, both of which are derived from normal liver tissue. Methods of isolating the cells, genetically altering the cells, and using the cells for transplantation are also within the invention.